

What is claimed is:

Claim 1 Antimicrobial agents comprising one or more active constituents having antimicrobial activity, which are selected from guaiacol, lignin sulfonic acid, 2,6-dimethoxyphenol, 3,5-dimethoxyphenol, lignosulfonic acid sodium salt, lignosulfonic acid sodium salt acetate, lignin organosolv propionate, 4-benzyloxyguaiacylglycerol- β -guaiacylether and syringaldehyde.

Claim 2 Antimicrobial agents as claimed in Claim 1, wherein the said active constituent is one type selected from guaiacol, lignin sulfonic acid, 2,6-dimethoxyphenol, 3,5-dimethoxyphenol, lignosulfonic acid sodium salt, lignosulfonic acid sodium salt acetate, lignin organosolv propionate, 4-benzyloxyguaiacylglycerol- β -guaiacylether and syringaldehyde, and the said antimicrobial activities are antiviral activity and antibacterial activity.

Claim 3 Antimicrobial agents as claimed in Claim 1, wherein the said active constituents are two or more types selected from guaiacol, lignin sulfonic acid, 2,6-dimethoxyphenol, 3,5-dimethoxyphenol, lignosulfonic acid sodium salt, lignosulfonic acid sodium salt acetate, lignin organosolv propionate, 4-benzyloxyguaiacylglycerol- β -guaiacylether and syringaldehyde, and the said antimicrobial activities are antiviral activity and antibacterial activity.

Claim 4 Antimicrobial agents as claimed in Claim 2 and 3, wherein the said antiviral activities is concerned with anti-AIDS virus activity and anti-influenza virus activity, and the said antibacterial activity is antibacterial activity against E.coli O157, K.pneumoniae, S.Enteritidis, P.aeruginos, S.aureus and B.subtilis.

Claim 5 Antimicrobial agents as claimed in Claim 2, wherein the said active constituents are lignosulfonic acid sodium salt or lignosulfonic acid sodium salt acetate, particularly salient in anti-AIDS virus activity.

Claim 6 Antimicrobial agents as claimed in Claim 2, wherein the said active constituent is lignin organosolv propionate and is excellent in antibacterial activity.

Claim 7 Antimicrobial agents as claimed in Claim 2, wherein the said active constituent is syringaldehyde and the said antimicrobial activities are particularly anti-AIDS virus activity and anti-influenza virus activity.

Claim 8 Antimicrobial agents as claimed in Claim 2, wherein the said active constituent is guaiac resin including guaiacol and the said antimicrobial activity is

antiviral activity.

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